☐ Text must be approximately 1/8".

## SPU/SDoT As-Built Drawing Requirements

Ge	eneral Requirements
	As-Built drawings shall incorporate all deviations to the original design without any references to
	RFIs, FCRs, payment items, DCs, etc. As-Built drawings shall be accurate, clean, clear and easily
_	readable. In congested areas, additional blow-up details may be required for readability.
	Items not built shall be crossed out.
	All As-Built drawing sheets shall be stamped "AS-BUILT DRAWING".
	As-built drawings may be submitted in one of four formats: AutoCAD, DWF, PDF or print (paper).
OF	PTION 1: AutoCAD Requirements
	As-Built drawings shall be done in AutoCAD or AutoCAD Civil 3D and must conform to the standards as defined in the CAD Manual: <a href="http://www.seattle.gov/util/Engineering/CAD_Resources/">http://www.seattle.gov/util/Engineering/CAD_Resources/</a>
	As-Built drawing file names shall add AB- to the front of the Work Authorization Number.
	As-Built drawing layers have the "CR-" discipline designator (see Section 5: Layers in the CAD
	Manual) and use colors 32-38 (see Section 8: Plotting/Printing in the CAD Manual).
	Items not built shall be put on the CR-NBLT layer (lines can be broken) and crossed out with the CR-
	ANNO layer (not deleted).
	Annotation shall have the text style name is set to "COS-Record" with the "font name" set to
	RomanS.shx, the "paper text height" set to 0.00, the "width factor" set to 1.00 and the "oblique
	angle" set to 20 (see Section 7: Annotation in the CAD Manual). The plotted text height shall be
	1/8".
	All As-Built drawing sheets shall have the "AS-BUILT DRAWING" stamp block affixed (see Section 2: Support Files in the CAD Manual).
OF	PTION 2: DWF Requirements
	Markups must be done with <u>Autodesk Design Review</u> on full-size drawings (at least 22"x34").
	Markups must be done in RED color with the markup tools located in the "Markup & Measure" tab.
	Text must be 14 pt.
OF	PTION 3: PDF Requirements
	Markups must be done with Adobe Acrobat (not reader) on full-size drawings (at least 22"x34").
	Markups must be done in RED color with the following "Comment & Markup" tools: Callout Tool,
	Text Box Tool, Cloud Tool, Arrow Tool, Line Tool, Rectangle Tool, Oval Tool, Polygon Line Tool and/o
	Polygon Tool (sticky notes are not valid).

<b>OP</b>	TION	4:	Print	Req	ui	re	men	ts
_								

Markups must be done in RED ink on full-size (at least 22x34) drawing prints.
Handwriting must be clearly written with 1/8" lettering.

## **As-Built Checklists**

$\mathbf{n}_{-}$			_	$\mathbf{n}$	I _		_
Pa	7/1	n	Œ	м	12	n	C

$\mathbf{n}_{\mathbf{s}}$	-Dun	CHECKIISTS					
Ite	ms in the	e following checklists apply only when deviations to the original design drawings occur.					
Pa	ving P	lans					
	<u> </u>	and offset (or station and pavement width) from monument line or construction baseline to: all beginnings and ends of curb and/or "match existing" points. all curb PC's, PT's, PRC's, angle points, and changes of curb height. If wheel-chair ramps are involved project top of curb elevations through ramp area. delta angle on all curb returns, and radius on all curb returns and reverse curves (curve					
		information may be shown in a table or detail if desired).					
	Elevation desired	ons at quarter points of curb returns (curve information may be shown in a table or detail if					
Radius on all reverse curves (curve information may be shown in a table or detail if desired).							
	Elevations at top corners of each proposed ADA ramp, if applicable.						
_	3110 W 0	diffics of castings, openings in paved area.					
Pa	ving P	Profiles					
	Show e	levations at all grade breaks.					
	Show elevations at all "match existing" points.						
Provide a description of any vertical curves (required for grade changes greater than 1%). The							
	descrip	tion must include:					
		VPI station and elevation.					
		Length of vertical curve (min along streets is 75').					
		High or low point station and elevation, if applicable.					
Pa	ving C	ross Sections					
	Dimens	sion from centerline to saw cut, flow line (if other than base of curb), face of curb, sidewalk					
	and sid	ewalk width, and right-of-way line.					
	Show h	eight of curb or dimensions of thickened edge of asphalt					
	Show c	ross slope on all paved surfaces					

## **Utility Plans**

ш	Rim an	d invert elevations for all manholes, catch basins, inlets, pipes, etc.
	Station	and offset from monument line or construction baseline to:
		all features (maintenance holes, cleanouts, catch basins, inlets, fittings, joints, hydrants,
		valves, etc.).
		all horizontal break points and all connection points.
	Size an	d material of each pipe.
	Size an	d type of each feature (maintenance holes, cleanouts, catch basins, inlets, fittings, joints,
	hydran	ts, valves, etc.).
Ut	ility P	rofiles
	Pipe pr	ofiles are required for all sewer, storm drain, and water mains. Pipe profiles must include:
		Identification of each structure.
		Elevation at rim of each structure.
		Elevations at each invert, connection, and/or grade break on each pipe.
		Gravity pipes must be labeled with size, material, length and slope of each pipe run.
	Radius	and delta angle of curved pipes, if applicable.